

Fundamentals of Process Safety & Safety Case

In collaboration with the Institution of Engineers, Singapore (IES) / IES Academy

10-12 SEP 2024



This is a course detailing the fundamentals of process safety and safety case. The topics covered include technical safety, major hazards assessment, the Workplace Safety & Health (Major Hazard Installation) Regulations, safety case, process safety management and an industry learning journey (to the Petrochemical Corporation of Singapore).

Safety case is a newly introduced regime in Singapore. Professional Engineers (Chemical) from diverse operational backgrounds may not have the specialized knowledge on the elements and requirements of safety case, as well as important process safety aspects in chemical plant operations.

This multi-stakeholder course is designed with the intention to bridge the gaps and offer an experiential learning benefiting both new and experienced engineers with the latest practices, regulations, and technologies.

At the end of the course, participants will be able to:

- Explain key concepts of process safety and safety case
- Demonstrate a clear understanding of chemical reaction hazards, process isolation, functional safety, fire and gas detection, ignition controls, risk assessment methodologies, consequence modelling and process safety management
- Understand the requirements of the Workplace Safety & Health (MHI) Regulations 2017
- Demonstrate the ability to develop a safety case
- Demonstrate the ability to conduct risk assessment

COURSE FEE:

S\$2,779.50* - Full course fee

S\$833.85* - 70% SSG funding

S\$323.85* - 90% SSG funding

*Inclusive of GST

DURATION:

21 hours

MODE OF DELIVERY:

Face-to-Face

REGISTRATION:

<https://myapplications.nus.edu.sg/>

